

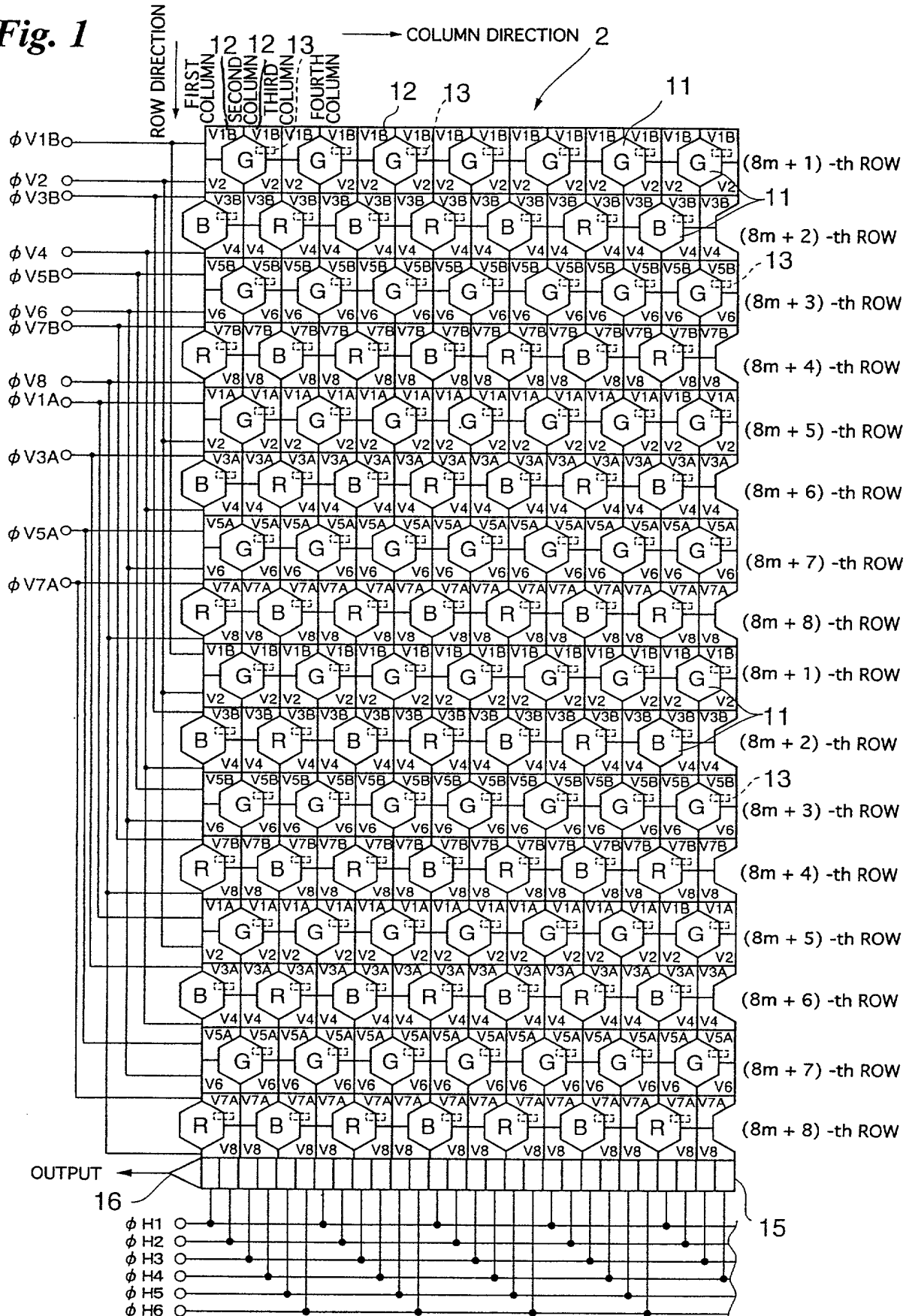
**Fig. 1**

Fig. 2A

READ OUT ALL PIXELS

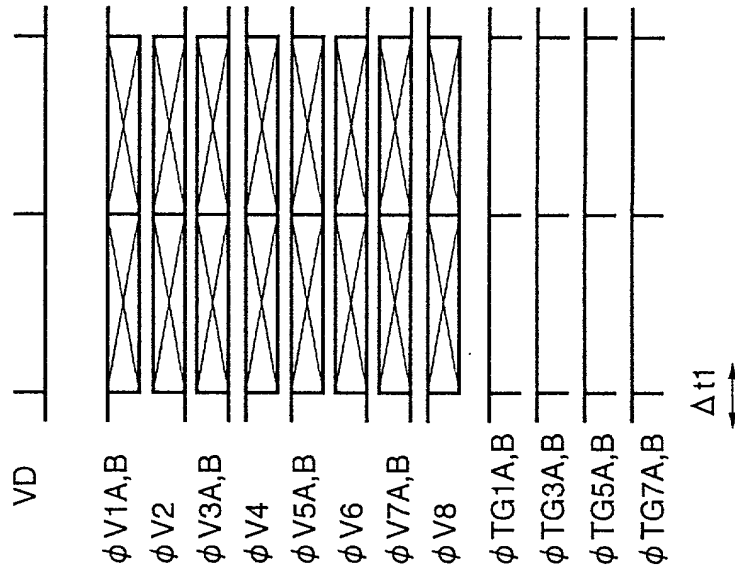


Fig. 2B

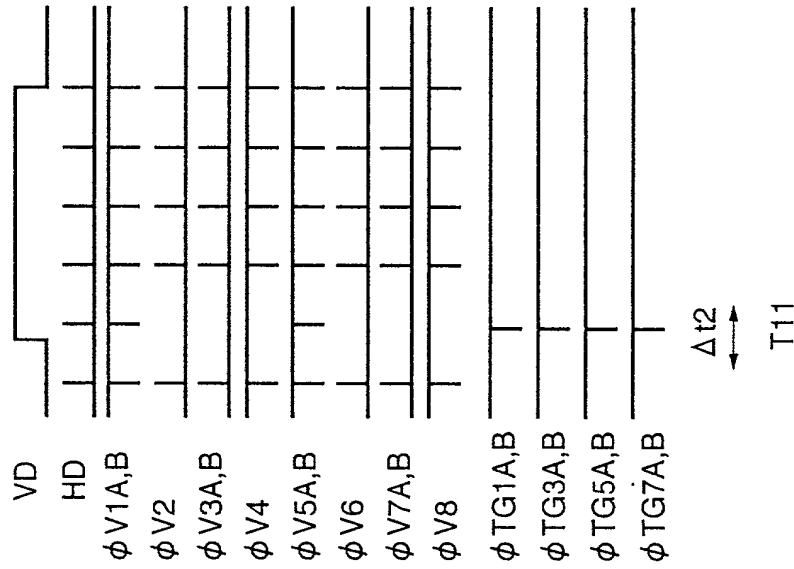
READ OUT ALL PIXELS  
(ENLARGED VIEW OF  $\Delta t1$ )

Fig. 2C

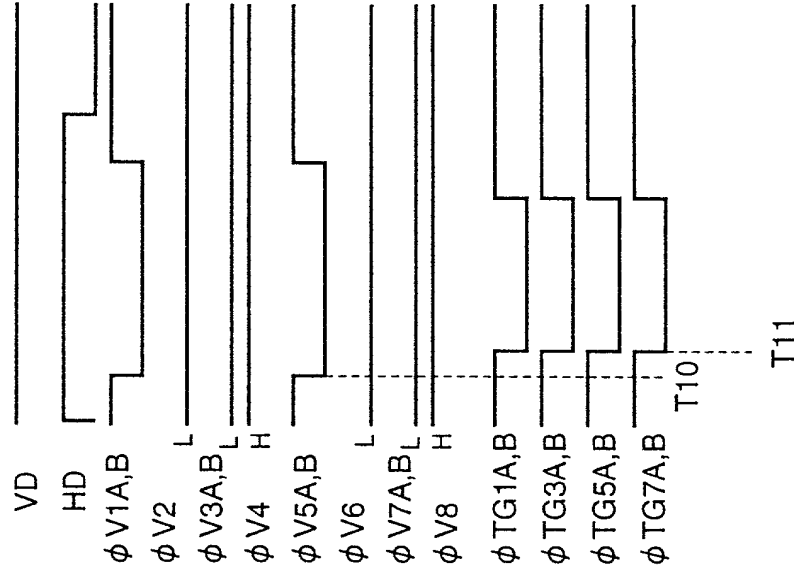
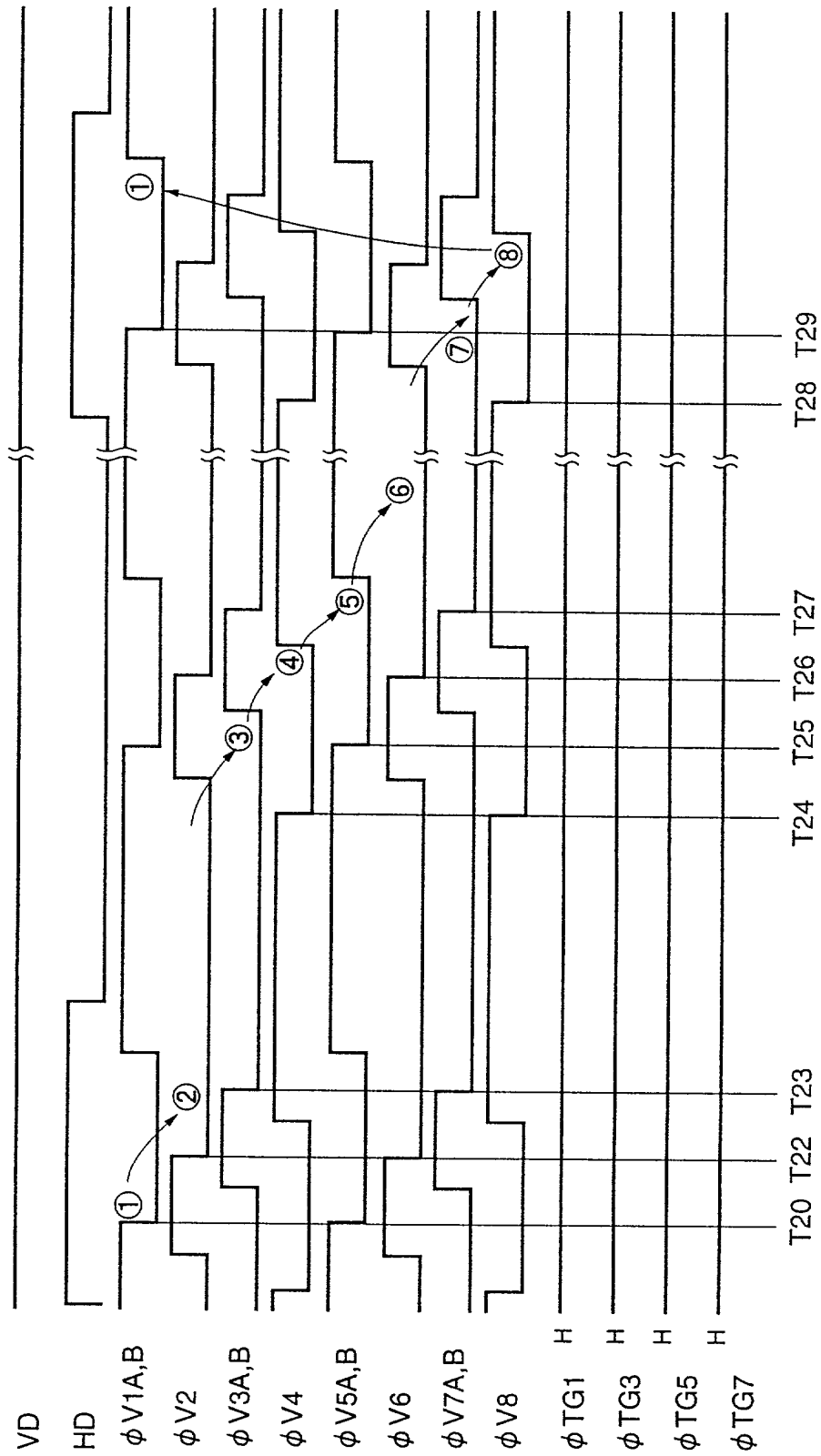
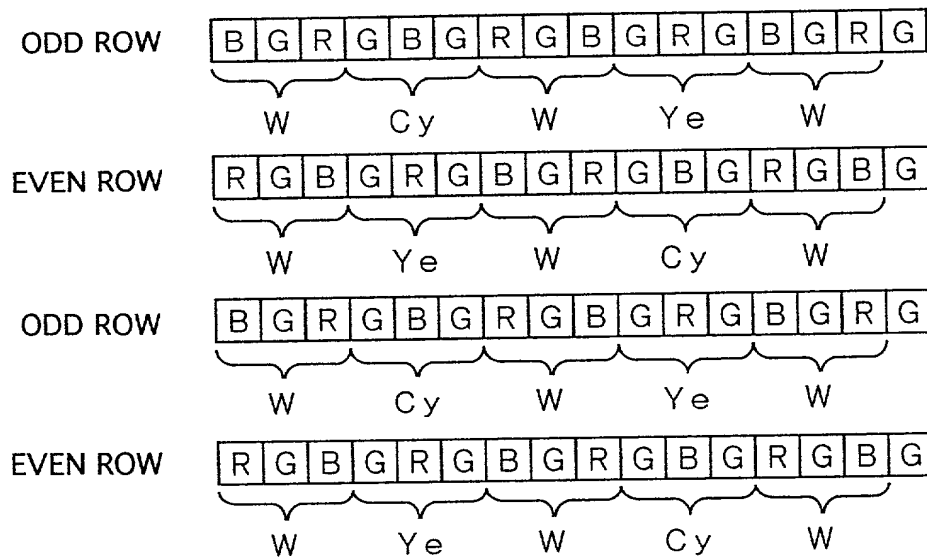
READ OUT ALL PIXELS  
(ENLARGED VIEW OF  $\Delta t2$ )

Fig. 3

VERTICAL TRANSFER IN READING OUT ALL PIXELS



**Fig. 4****Fig. 5**

	FIRST COLUMN	SECOND COLUMN	THIRD COLUMN	FOURTH COLUMN
ODD ROW	W	Cy	W	Ye
EVEN ROW	W	Ye	W	Cy
ODD ROW	$W_{12}$	$Cy_{22}$	W	Ye
EVEN ROW	$W_{11}$	$Ye_{21}$	W	Cy

Fig. 6A

READOUT BY 1/2 PIXEL THINNING

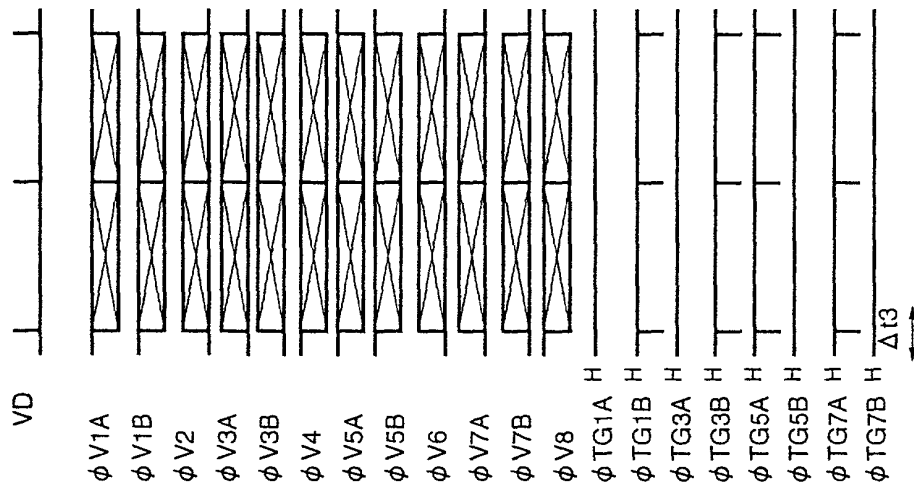


Fig. 6B

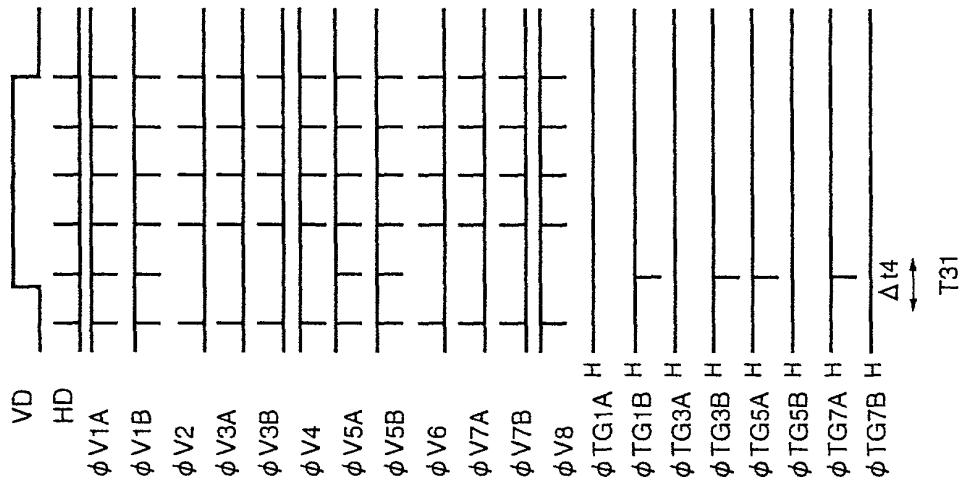
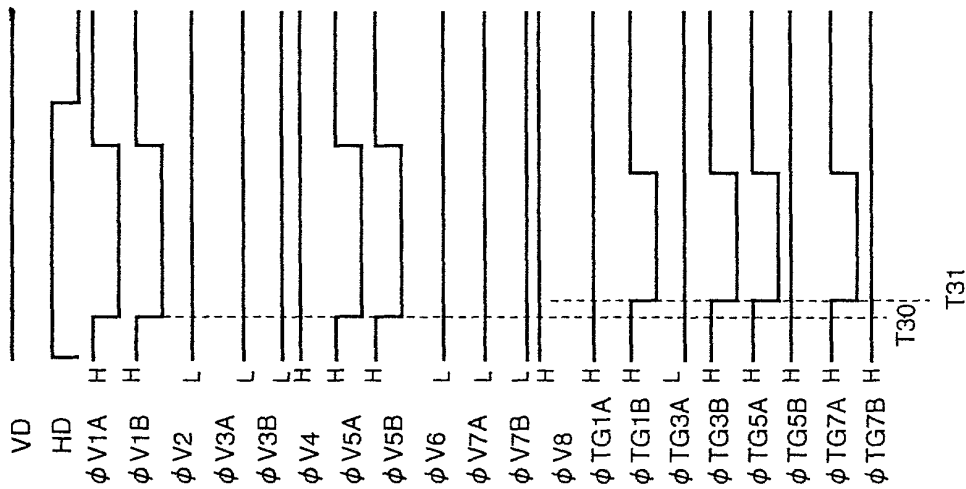
READOUT BY 1/2 PIXEL THINNING  
(ENLARGED VIEW OF  $\Delta t3$ )

Fig. 6C

READOUT BY 1/2 PIXEL THINNING  
(ENLARGED VIEW OF  $\Delta t4$ )

**Fig. 7**

## HORIZONTAL TRANSFER IN ODD ROWS

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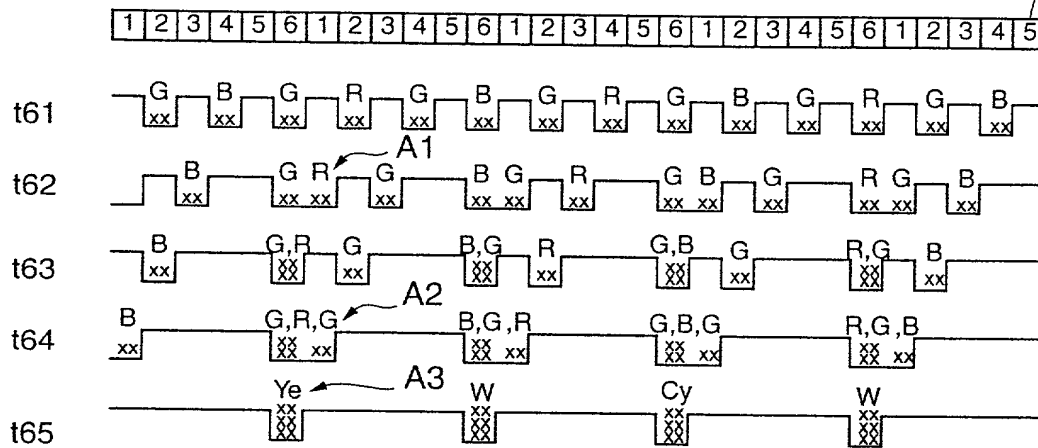


Fig. 8

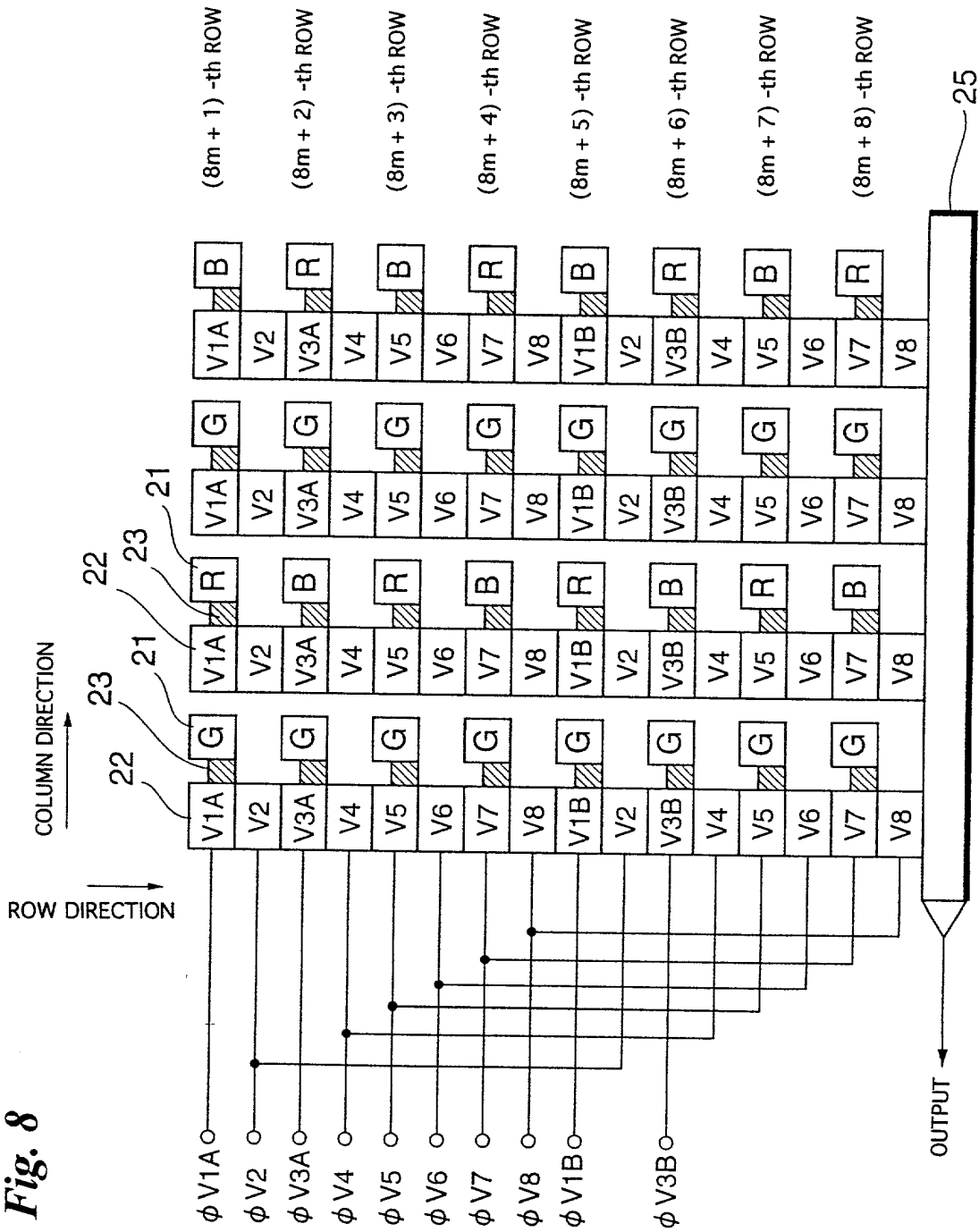


Fig. 9A

READ OUT ALL PIXELS

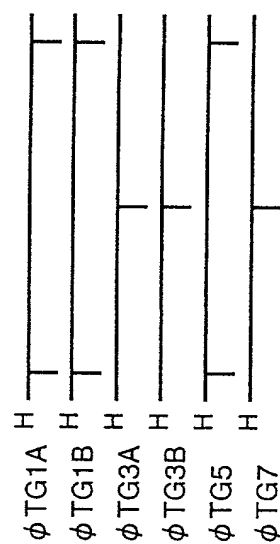
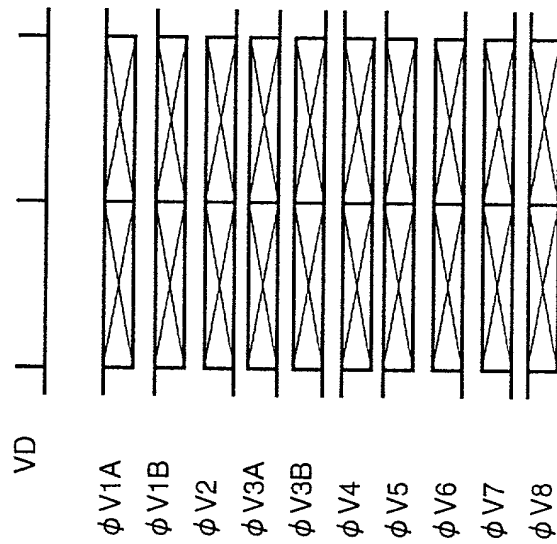

 $\Delta t4$   
 $\Delta t6$ 

Fig. 9B

READ OUT ALL PIXELS

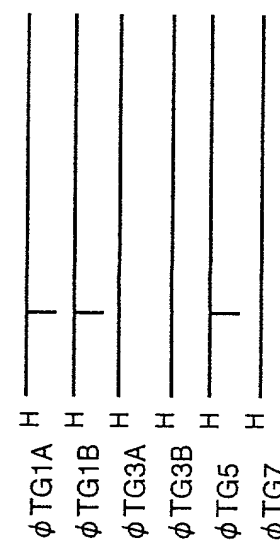
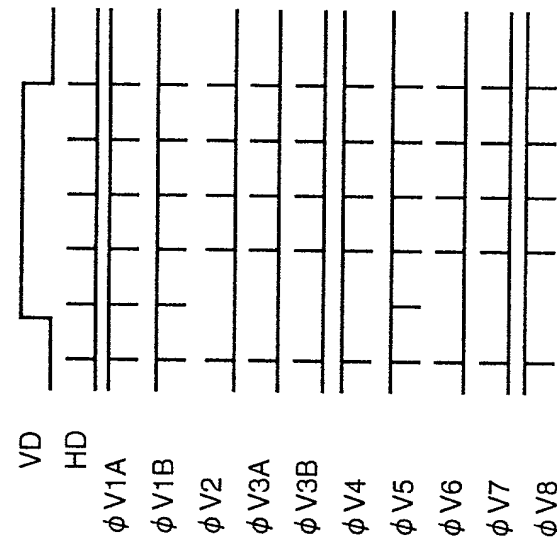
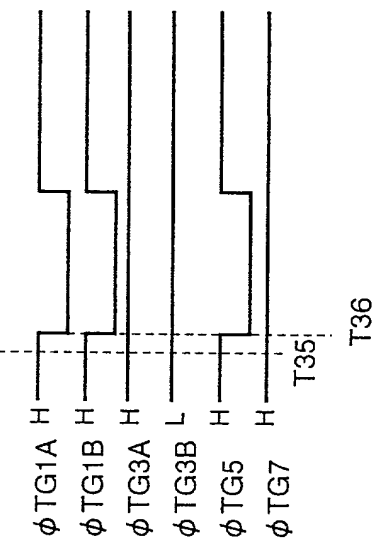
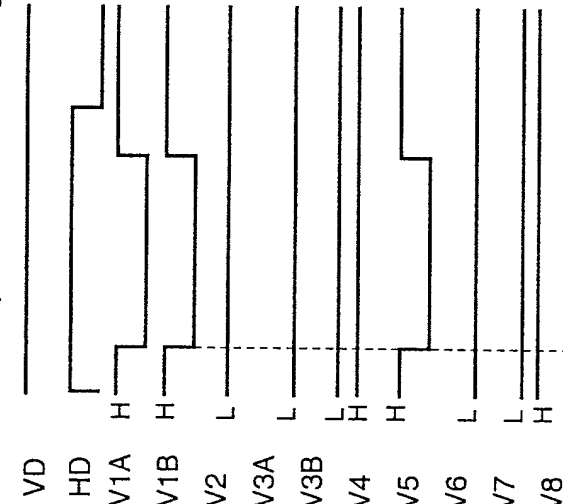
(ODD FIELD, ENLARGED VIEW OF  $\Delta t4$ )
 $\Delta t5$   
 $T36$ 

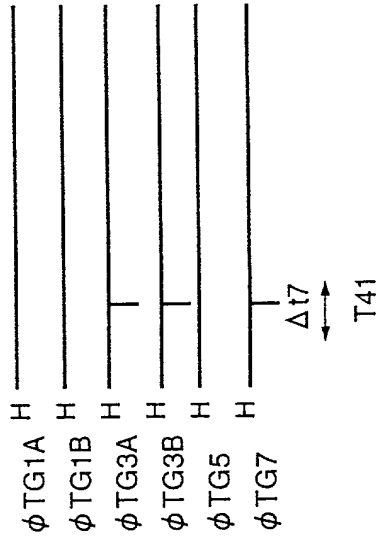
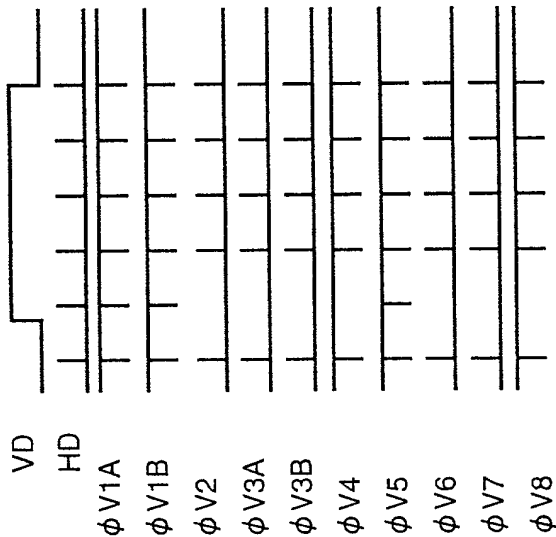
Fig. 9C

READ OUT ALL PIXELS  
(ODD FIELD, ENLARGED VIEW OF  $\Delta t5$ )
 $T35$   
 $T36$



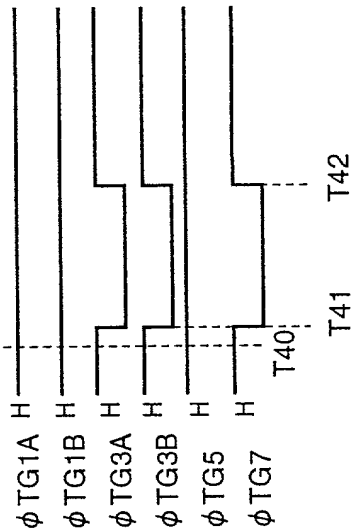
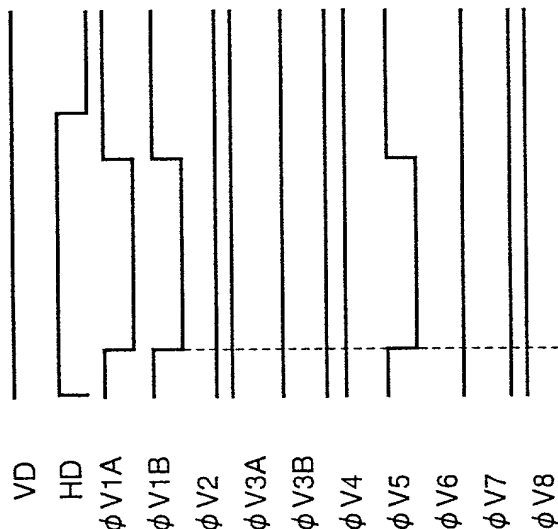
**Fig. 10A**

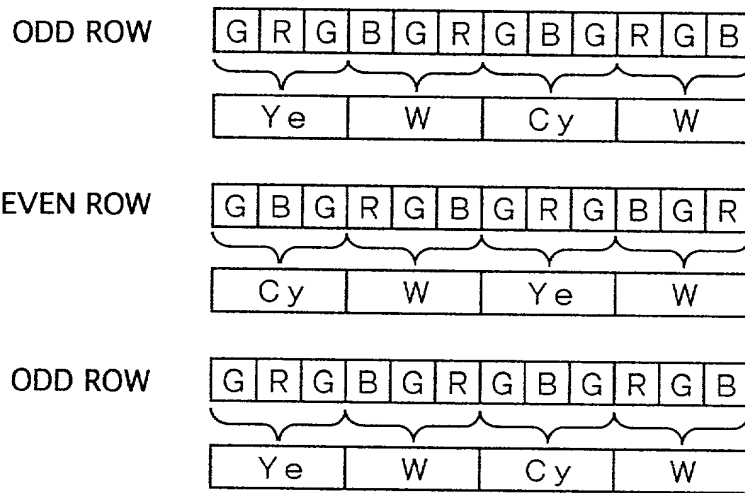
READ OUT ALL PIXELS  
(EVEN FIELD)



**Fig. 10B**

READ OUT ALL PIXELS  
(EVEN FIELD, ENLARGED VIEW OF  $\Delta t6$ )

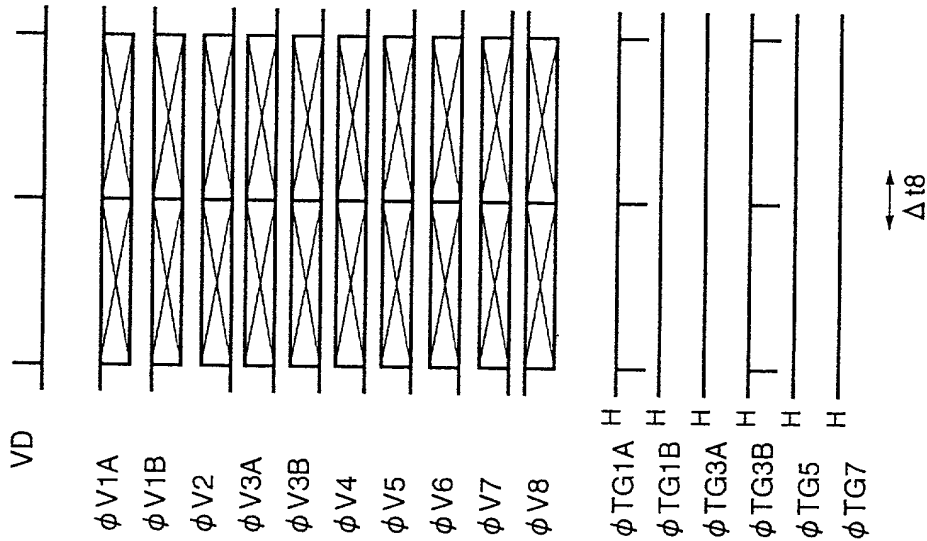


**Fig. 11****Fig. 12**

ODD ROW	Ye	W	Cy	W
EVEN ROW	Cy	W	Ye	W
ODD ROW	Ye	W	Cy	W

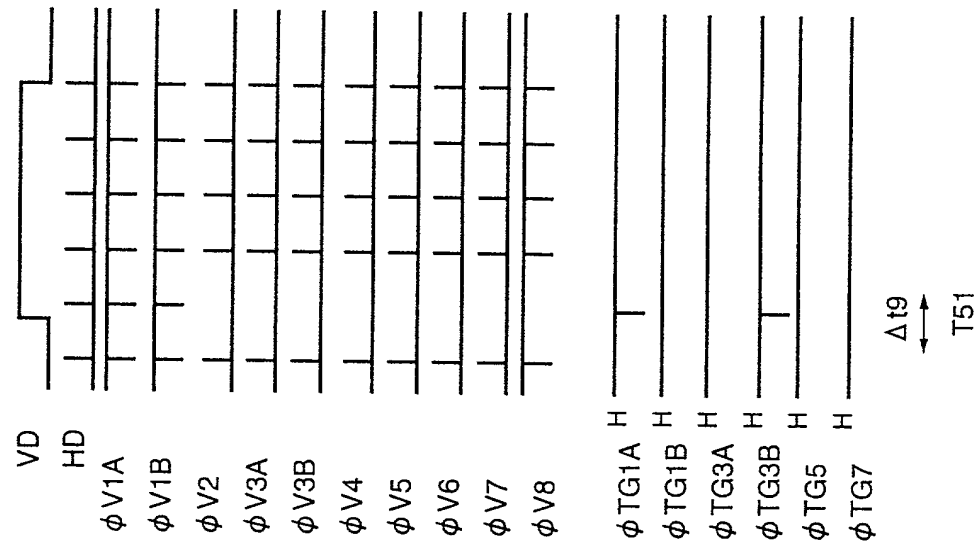
**Fig. 13A**

READOUT BY 1/4 PIXEL THINNING



**Fig. 13B**

READOUT BY 1/4 PIXEL THINNING  
(ENLARGED VIEW OF  $\Delta t8$ )



**Fig. 13C**

READOUT BY 1/4 PIXEL THINNING  
(ENLARGED VIEW OF  $\Delta t9$ )

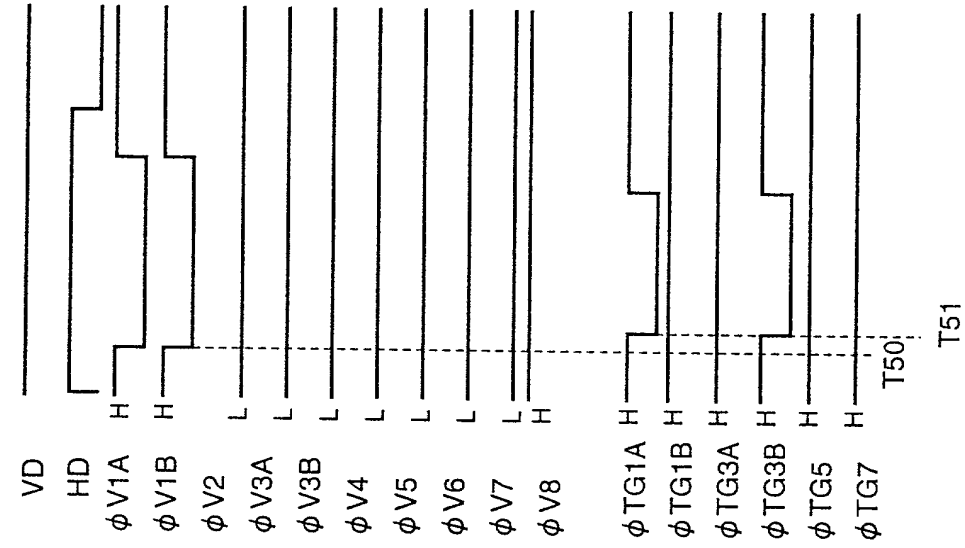


Fig. 14

